

Listing of Claims:

1. (Currently Amended) A power supply system which generates supply electric power to drive a load using power generation fuel, said power supply system comprising:

5 a fuel charged portion in which ~~a~~ the power generation fuel is charged;

power generating means for generating power generation electric power by using the power generation fuel;

10 output controlling means for operating ~~or~~ and stopping the power generating means according to a consumption of power due to the load; and

start-up controlling means for supplying start-up electric power used for operating the output controlling means to the output controlling means.

2. (Currently Amended) The power supply system according to claim 1, wherein the start-up controlling means supplies electric power independent from the operation of the power generating means to the output controlling means as the start-up electric power at the time of starting up the power generating means, and supplies electric power based on the power generation electric power generated by the power generating means to the output ~~control portion~~ controlling means as the start-up electric power after starting up the power generating means.

3. (Original) The power supply system according to claim 1,
wherein the start-up controlling means includes switching means
for switching supply paths of the start-up electric power to the
output controlling means at the time of starting up the power
5 generating means and after starting up the power generating
means.

4. (Original) The power supply system according to claim 1,
wherein the start-up controlling means includes a start-up power
supply portion which holds predetermined electric power
independently from the operation of the power generating means,
5 and supplies the electric power from the start-up power supply
portion to the output controlling means as the start-up electric
power at the time of starting up the power generating means.

5. (Original) The power supply system according to claim 4,
wherein the start-up power supply portion includes a primary
cell.

6. (Currently Amended) The power supply system according to
claim 4, wherein the start-up power supply portion includes
electric power charged and held by electric power supplied from

~~the~~ outside of the power supply system prior to the start-up
5 operation of the power generating means.

7. (Original) The power supply system according to claim 1,
wherein the start-up controlling means includes an auxiliary
electric power holding portion which charges a part of the power
generation electric power generated by the power generating
5 means, and supplies charge electric power of the auxiliary
electric power holding portion to the output controlling means as
the start-up electric power after starting up the power
generating means.

8. (Original) The power supply system according to claim 1,
wherein the power generating means includes a fuel cell which
generates the power generation electric power by an
electrochemical reaction using the power generation fuel supplied
5 from the fuel charged portion.

9. (Original) The power supply system according to claim 8,
wherein the fuel cell is a fuel reforming type fuel cell
including a fuel reformer which reforms the power generation fuel
and extracts a specific component, a fuel electrode to which the
5 specific component is supplied, and an air electrode to which
oxygen in air is supplied.

10. (Currently Amended) The power supply system according to claim 1, wherein the fuel charged portion is ~~detachably constituted~~ detachable.

11. (Currently Amended) The power supply system according to claim 1, wherein the power supply system is modularized and configured ~~in such a manner~~ that a physical outside shape of the power supply system has a shape and dimensions which are
5 substantially equivalent to ~~those~~ a shape and dimensions of ~~one~~
~~of various kinds of~~ a corresponding general-purpose chemical
~~cells~~ cell.

12. (Original) The power supply system according to claim 11, wherein the power supply system has a double-electrode terminal structure.

13. (Currently Amended) An electronic device ~~being~~ connected to the power supply system according to claim 1, ~~and comprising a~~ wherein the load ~~which~~ operates with the supply electric power supplied from the power supply system.

14. (Original) The electronic device according to claim 13, wherein parts except the fuel charged portion in the power supply

system are integrally constituted with respect to the electronic device.

15. (Currently Amended) The electronic device according to claim 13, wherein the power supply system is modularized and at least the fuel charged portion is ~~detachably constituted~~ detachable with respect to the electronic device.

16. (Currently Amended) A power supply system which generates supply electric power to drive a load using power generation fuel, said power supply system comprising ~~at least:~~

a fuel charged portion in which ~~a~~ the power generation fuel is charged;

power generating means for generating power generation electric power by using the power generation fuel;

electric power holding means for holding electric charge based on the power generation electric power generated by the power generating means, wherein the electric charge is adapted to be used to generate electric power to drive the load; and

system controlling means for controlling ~~the~~ operation ~~or stop and stopping of the operation~~ of the power generating means and for controlling charging and stopping of the charging charge ~~or stop~~ of the electric power holding means in accordance with a

change in the ~~held~~ electric power by the electric power holding means.

17. (Original) The power supply system according to claim 16, wherein the power generating means includes a fuel cell which generates the power generation electric power by an electrochemical reaction using the power generation fuel supplied
5 from the fuel charged portion.

18. (Original) The power supply system according to claim 17, wherein the fuel cell is a fuel reforming type fuel cell including a fuel reformer which reforms the power generation fuel and extracts a specific component, a fuel electrode to which
5 the specific component is supplied, and an air electrode to which oxygen in air is supplied.

19. (Currently Amended) The power supply system according to claim 16, wherein the electric power holding means ~~is constituted by one or more~~ comprises at least one capacitance element ~~elements~~.

20. (Currently Amended) The power supply system according to claim 16, wherein the electric power holding means has a

structure such that a plurality of capacitance elements are connected with a predetermined relationship.

21. (Original) The power supply system according to claim 16, further including supply electric power generating means for generating the supply electric power, based on held electric power held in the electric power holding means.

22. (Original) The power supply system according to claim 21, wherein the supply electric power generating means includes voltage converting means for generating the supply electric power having a predetermined voltage from the held
5 electric power in the holding means.

23. (Currently Amended) The power supply system according to claim 16, wherein the fuel charged portion is ~~detachably~~
~~constituted~~ detachable.

24. (Currently Amended) The power supply system according to claim 16, wherein the system controlling means ~~includes at~~
~~least~~ comprises:

output controlling means for operating ~~or~~ and stopping the
5 power generating means by controlling supply ~~or~~ and shutoff of the power generation fuel to the power generating means;

10 a voltage monitor/control portion which outputs a first control signal which monitors a voltage component of the held electric power in the electric power holding means and controls start-up and stop of the power generating means in accordance with a change in the voltage component, and a second control signal which controls ~~charge or stop~~ the charging and stops the charging with respect to the electric power holding means; and

15 start-up controlling means for controlling supply of start-up electric power used for operating the output controlling means and controlling an operation state of the power generating means based on at least the first control signal from the voltage monitor/control portion.

25. (Original) The power supply system according to claim 24, wherein the voltage monitor/control portion at least outputs the first control signal used for controlling the power generating means to stop when a voltage of held electric power in the electric power holding means has reached a predetermined upper limit value, and the first control signal used for controlling the power generating means to start up when a voltage of held electric power in the electric power holding means has reached or become lower than a predetermined lower limit value.

26. (Currently Amended) The power supply system according to claim 24, wherein the start-up controlling means supplies a part of the held electric power in the electric power holding means to the output controlling means [[,]] as the start-up
5 electric power [[,]] when starting up the power generating means.

27. (Currently Amended) The power supply system according to claim 16, wherein the power supply system is modularized, and [[,]] a physical outside shape of the power supply system has a shape and dimensions which are substantially equivalent to ~~those~~
5 a shape and dimensions of ~~one of various kinds of~~ a corresponding general-purpose chemical ~~cells~~ cell.

28. (Original) The power supply system according to claim 27, wherein the power supply system has a double-electrode terminal structure.

29. (Currently Amended) An electronic device ~~being~~ connected to the power supply system according to claim 16, ~~and comprising a~~ wherein the load ~~which~~ operates with the supply electric power.

30. (Original) The electronic device according to claim 29, wherein parts except the fuel charged portion in the power supply

system are integrally constituted with respect to the electronic device.

31. The electronic device according to claim 29, wherein the power supply system is modularized and [[,]] at least the fuel charged portion is ~~detachably constituted~~ detachable with respect to the electronic device.

32. (New) A power supply system which generates supply electric power, said power supply system comprising:

a fuel charged portion in which power generation fuel is charged;

5 power generating means for generating power generation electric power by using the power generation fuel;

output controlling means for operating and stopping the power generating means; and

10 start-up controlling means for supplying start-up electric power used for operating the output controlling means to the output controlling means;

15 wherein the start-up controlling means includes a start-up power supply portion which holds predetermined electric power independently from the operation of the power generating means, and supplies the electric power from the start-up power supply

portion to the output controlling means as the start-up electric power at the time of starting up the power generating means; and wherein the start-up power supply portion includes a primary cell.

33. (New) A power supply system which generates supply electric power, said power supply system comprising:

a fuel charged portion in which power generation fuel is charged;

5 power generating means for generating power generation electric power by using the power generation fuel;

electric power holding means for holding electric charge based on the power generation electric power generated by the power generating means; and

10 system controlling means for controlling operation and stopping of the operation of the power generating means and for controlling charging and stopping of the charging of the electric power holding means in accordance with a change in the held electric power;

15 wherein the system controlling means comprises:

output controlling means for operating and stopping the power generating means by controlling supply and shutoff of the power generation fuel to the power generating means;

20 a voltage monitor/control portion which outputs a first
control signal which monitors a voltage component of the held
electric power in the electric power holding means and controls
start-up and stop of the power generating means in accordance
with a change in the voltage component, and a second control
signal which controls the charging and stops the charging with
25 respect to the electric power holding means; and

start-up controlling means for controlling supply of
start-up electric power used for operating the output controlling
means and controlling an operation state of the power generating
means based on at least the first control signal from the voltage
30 monitor/control portion.